ELSEVIER

Journal of Magnetism and Magnetic Materials 205 (1999) 364–366

Journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

Author index to volume 205

Amato, A., see Petrakovskii, G. 105
André, G., see Martin, C. 184
Ansermet, J.-P., see Scarani, V. 241
Aoyama, T., see Hirota, K. 283

Balaev, A., see Petrakovskii, G. 105
Bałanda, M., K. Falk, K. Griesar, Z. Tomkowicz and W. Haase, Characterization of magnetic ordering in porphyrin-based molecular magnets $[Mn(R)_4TPP][TCNE]$ ($R = OC_{12}H_{25}$, F, CN) 14
Barakat, M.M., see El-Saadawy, M. 319
Barkow, U., see Borgschulte, A. 151
Bercoff, P.G. and H.R. Bertorello, Magnetic properties of Ba hexaferrite and Fe compounds produced by milling and annealing in air 261
Berger, R., see Kliava, J. 328
Bertorello, H.R., see Bercoff, P.G. 261
Bishop, J.E.L., see Heydon, G.P. L131
Borgschulte, A., D. Menzel, T. Widmer, H. Bremers, U. Barkow and J. Schoenes, Epitaxial growth and magnetic properties of Mn_xPt_{1-x} ($x \leqslant 0.38$) thin films on (0 0 1)-$SrTiO_3$ substrates 151
Borzi, R.A., S.J. Stewart, G. Punte, R.C. Mercader, M. Vasquez-Mansilla, R.D. Zysler and E.D. Cabanillas, Magnetic interactions in hematite small particles obtained by ball milling 234
Bourée, F., see Martin, C. 184
Bremers, H., see Borgschulte, A. 151
Brückel, Th., see Köbler, U. 90
Bud'ko, S.L., see Myers, K.D. 27
Bud'ko, S.L., Z. Islam, T.A. Wiener, I.R. Fisher, A.H. Lacerda and P.C. Canfield, Anisotropy and metamagnetism in the RNi_2Ge_2 (R = Y, La–Nd, Sm–Lu) series 53
Burghart, F.J., see Grosse, G. 79

Cabanillas, E.D., see Borzi, R.A. 234
Canfield, P.C., see Myers, K.D. 27
Canfield, P.C., see Bud'ko, S.L. 53
Chakravorty, D., see Datta, A. 301
Chatterji, T., see Köbler, U. 343
Chintalapudi, S.N., see Datta, A. 301
Cisowski, J., Characterization of paramagnetic materials by low-temperature magnetization 323

Da Silva, E.C., see Romano, J.A. 161
Das, D., see Datta, A. 301
Datta, A., M. Pal, D. Chakravorty, D. Das and S.N. Chintalapudi, Disorder in nanocrystalline Ni_3Fe 301
Davies, H.A., see Heydon, G.P. L131
De Morais, E., see Turtelli, R.S. 290
Delaney, D.W. and T.A. Lograsso, Magnetostriction of growth textured Tb–Zn alloys 311
Ding, J., see Shi, Y. 249
Doudin, B., see Scarani, V. 241
Drulis, H., see Iwasieczko, W. 255
Drulis, M., see Iwasieczko, W. 255
Duong, V.H., see Turtelli, R.S. 290

El-Saadawy, M. and M.M. Barakat, Electrical conductivity of cobalt-doped BaZn hexagonal ferrites 319
Enomoto, S., see Hirota, K. 283

Falk, K., see Bałanda, M. 14
Ferrier, R.P., see Heydon, G.P. L131
Fisher, I.R., see Myers, K.D. 27
Fisher, I.R., see Bud'ko, S.L. 53

Gaczyński, P., see Iwasieczko, W. 255
Gibbs, M.R.J., see Heydon, G.P. L131
Gouda, W. and K. Shiiki, Giant magnetoresistance effect of spin valve Co/Pd/Co/NiO 136
Goya, G.F., Magnetic properties of the solid solution $(Y_{1-x}Gd_x)_2BaCuO_5$ ($0 \leqslant x \leqslant 1$) 215
Grannell, P.K., see Unwin, M.E. 199
Griesar, K., see Bałanda, M. 14
Grosse, G., G.M. Kalvius, A. Kratzer, E. Schreier, F.J. Burghart, K. Mattenberger and O. Vogt, Uranium moment collapse in magnetically diluted US 79
Grössinger, R., see Turtelli, R.S. 290

Haase, W., see Bałanda, M. 14
Handstein, A., see Noetzel, J. 177

0304-8853/99/$-see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0304-8853(99)00576-4

Harrell, J.W., Effect of AC gradient field on magnetic measurements with an alternating gradient magnetometer 121
Haycock, P.W., see Unwin, M.E. 199
Hervieu, M., see Martin, C. 184
Heydon, G.P., W.M. Rainforth, M.R.J. Gibbs, H.A. Davies, S. McVitie, R.P. Ferrier, J. Scott, J.W. Tucker and J.E.L. Bishop, Preparation and characterisation of a new amorphous tip coating for application in magnetic force microscopy L131
Hirota, K., T. Aoyama, S. Enomoto, M. Yoshinaka and O. Yamaguchi, Microstructures and magnetic and electric properties of low-temperature sintering Mn–Zn ferrites without and with addition of lithium borosilicate glass 283
Hoon, S.R., see Unwin, M.E. 199
Hoser, A., see Köbler, U. 343
Hupfeld, D., see Köbler, U. 90

Idogaki, T., see Miyoshi, Y. 110
Ijjaali, I., see Welter, R. 221
Islam, Z., see Myers, K.D. 27
Islam, Z., see Bud'ko, S.L. 53
Iwasieczko, W., M. Drulis, P. Gaczyński and H. Drulis, Intermediate valence in the ytterbium deuteride — the magnetic susceptibility evidence 255

Jezierski, A., see Smardz, L. 209
Jirák, Z., see Martin, C. 184

Kalvius, G.M., see Grosse, G. 79
Kawakami, M., see Köbler, U. 343
Kleinke, H., see Myers, K.D. 27
Kliava, J. and R. Berger, Size and shape distribution of magnetic nanoparticles in disordered systems: computer simulations of superparamagnetic resonance spectra 328
Knobel, M., see Kuźmiński, M. 7
Köbler, U., D. Hupfeld, W. Schnelle, K. Mattenberger and Th. Brückel, Fourth-order exchange interactions in $Gd_xEu_{1-x}S$ 90
Köbler, U., A. Hoser, M. Kawakami, T. Chatterji and J. Rebizant, An unified view of the spin dynamics in two- and three-dimensional magnetic systems 343
Kowalczyk, A., see Smardz, L. 209
Kratzer, A., see Grosse, G. 79
Kurbakov, A., see Martin, C. 184
Kuźmiński, M., A. Ślawska-Waniewska, H.K. Lachowicz and M. Knobel, The effect of particle size and surface-to-volume ratio distribution on giant magnetoresistance (GMR) in melt-spun Cu–Co alloys 7
Kwon, O.-H., see Li, N. 1

Lacerda, A.H., see Myers, K.D. 27
Lacerda, A.H., see Bud'ko, S.L. 53
Lachowicz, H.K., see Kuźmiński, M. 7
Lairson, B.M., see Li, N. 1
Li, N., B.M. Lairson and O.-H. Kwon, Magnetic characterization of intermetallic compound FePt and FePtX (X = B, Ni) thin films 1
Li, X., Magnetic field-induced magnetic transition in Gd_2Al compound 307
Liu, X., see Shi, Y. 249
Lograsso, T.A., see Delaney, D.W. 311

Maignan, A., see Martin, C. 184
Malaman, B., see Welter, R. 221
Martin, C., A. Maignan, M. Hervieu, B. Raveau, Z. Jirák, A. Kurbakov, V. Trounov, G. André and F. Bourée, Two C-type antiferromagnets with different magnetoresistive properties: $Sm_{0.15}Ca_{0.85}MnO_3$ and $Pr_{0.15}Sr_{0.85}MnO_3$ 184
Martins, C.S. and F.P. Missell, Magnetization and giant magnetoresistance in melt-spun and annealed CuFeNi alloys 275
Mattenberger, K., see Grosse, G. 79
Mattenberger, K., see Köbler, U. 90
Mattheis, R. and G. Quednau, Determination of the anisotropy field strength in ultra-thin magnetic films using longitudinal MOKE and a rotating field: the ROTMOKE method 143
Maurice, J.-L., see Schelp, L.F. 170
McVitie, S., see Heydon, G.P. L131
Meckenstock, R., see Romano, J.A. 161
Menzel, D., see Borgschulte, A. 151
Mercader, R.C., see Borzi, R.A. 234
Missell, F.P., see Martins, C.S. 275
Miyoshi, Y., A. Tanaka, J.W. Tucker and T. Idogaki, Dilute anisotropic Heisenberg ferromagnet with biquadratic exchange interactions and single-ion anisotropy 110
Möller, W., see Noetzel, J. 177
Mücklich, A., see Noetzel, J. 177
Myers, K.D., S.L. Bud'ko, I.R. Fisher, Z. Islam, H. Kleinke, A.H. Lacerda and P.C. Canfield, Systematic study of anisotropic transport and magnetic properties of $RAgSb_2$ (R = Y, La–Nd, Sm, Gd–Tm) 27

Nishihama, K., see Tagaya, K. 270
Noetzel, J., A. Handstein, A. Mücklich, F. Prokert, H. Reuther, J. Thomas, E. Wieser and W. Möller, Co/Cu solid solution prepared by ion implantation 177

Pal, M., see Datta, A. 301
Pelzl, J., see Romano, J.A. 161
Petrakovskii, G., D. Velikanov, A. Vorotinov, A. Balaev, K. Sablina, A. Amato, B. Roessli, J. Schefer and U. Staub, Weak ferromagnetism in CuB_2O_4 copper metaborate 105
Petroff, F., see Schelp, L.F. 170
Prokert, F., see Noetzel, J. 177
Punte, G., see Borzi, R.A. 234

Quednau, G., see Mattheis, R. 143

Rainforth, W.M., see Heydon, G.P. L131
Raveau, B., see Martin, C. 184
Rebizant, J., see Köbler, U. 343
Reichl, Ch., see Turtelli, R.S. 290
Reuther, H., see Noetzel, J. 177
Roessli, B., see Petrakovskii, G. 105
Romano, J.A., E.C. da Silva, L.F. Schelp, J.E. Schmidt, R. Meckenstock and J. Pelzl, Effects of Ar-ion implantation and thermal treatment on magnetic properties of Co/Pd multilayers: a ferromagnetic resonance study 161
Rosa, E.L., see Schelp, L.F. 170

Sablina, K., see Petrakovskii, G. 105
Sasakura, H., see Tagaya, K. 270
Scarani, V., B. Doudin and J.-P. Ansermet, The microstructure of electrodeposited cobalt-based nanowires and its effect on their magnetic and transport properties 241
Schefer, J., see Petrakovskii, G. 105
Schelp, L.F., see Romano, J.A. 161
Schelp, L.F., E.L. Rosa, J.-L. Maurice, F. Petroff and A. Vaurès, Tunnel magnetoimpedance in cobalt discontinuous films 170
Schmidt, J.E., see Romano, J.A. 161
Schnelle, W., see Köbler, U. 90
Schoenes, J., see Borgschulte, A. 151
Schreier, E., see Grosse, G. 79
Scott, J., see Heydon, G.P. L131
Shi, Y., J. Ding, X. Liu and J. Wang, $NiFe_2O_4$ ultrafine particles prepared by co-precipitation/mechanical alloying 249
Shiiki, K., see Gouda, W. 136
Ślawska-Waniewska, A., see Kuźmiński, M. 7
Smardz, L., A. Jezierski and A. Kowalczyk, Electronic properties of $DyCo_3B_2$ compound 209
Staub, U., see Petrakovskii, G. 105
Stewart, S.J., see Borzi, R.A. 234

Tagaya, K., T. Yokoo, K. Nishihama and H. Sasakura, Magnetic properties of $(Bi, Pb)_2(Sr, La)_2(Ln, La)_2Cu_2O_z$ (Ln = Sm, Eu, Gd, Dy) 270
Tanaka, A., see Miyoshi, Y. 110
Thomas, J., see Noetzel, J. 177
Tomkowicz, Z., see Bałanda, M. 14
Trounov, V., see Martin, C. 184
Tucker, J.W., see Miyoshi, Y. 110
Tucker, J.W., see Heydon, G.P. L131
Turtelli, R.S., E. de Morais, G. Wiesinger, Ch. Reichl, V.H. Duong and R. Grössinger, Structural details and time dependence of the initial susceptibility in iron-rich Fe–Si ribbons 290

Unwin, M.E., P.W. Haycock, S.R. Hoon and P.K. Grannell, A novel broadband ferromagnetic resonance spectrometer 199

Vasquez-Mansilla, M., see Borzi, R.A. 234
Vaurès, A., see Schelp, L.F. 170
Velikanov, D., see Petrakovskii, G. 105
Venturini, G., see Welter, R. 221
Vogt, O., see Grosse, G. 79
Vorotinov, A., see Petrakovskii, G. 105

Wang, J., see Shi, Y. 249
Welter, R., G. Venturini, I. Ijjaali and B. Malaman, Magnetic study of the new TiNiSi-type TbMnSi, DyMnSi and NdMnGe compounds 221
Widmer, T., see Borgschulte, A. 151
Wiener, T.A., see Bud'ko, S.L. 53
Wieser, E., see Noetzel, J. 177
Wiesinger, G., see Turtelli, R.S. 290

Yamaguchi, O., see Hirota, K. 283
Yan, S.L. and C.Z. Yang, Magnetic properties of the bond-diluted mixed ferrimagnetic spin system with crystal field 357
Yang, C.Z., see Yan, S.L. 357
Yokoo, T., see Tagaya, K. 270
Yoshinaka, M., see Hirota, K. 283

Zysler, R.D., see Borzi, R.A. 234

ELSEVIER

Journal of Magnetism and Magnetic Materials 205 (1999) 367–368

Journal of magnetism and magnetic materials

www.elsevier.com/locate/jmmm

Subject index to volume 205

Absorption spectra 199
Actinides 79
Alloys 290, 311
Alternating gradient magnetometer 121
Anisotropy 199
– magnetic 27, 53, 161
– single ion 110
– uniaxial 143
Anisotropy energy 1
Annealing 275

Ball milling 234
Barium ferrites 319
Biquadratic exchange 90, 110, 343
Bond-diluted mixed ferrimagnetic spin system 357

CEF effects 27, 53
Charge transfer 14
Compensation temperature 357
Correlated electron systems 27, 53
Critical magnetic behaviour 90
Crystal field 357
Curie temperature 110

DC magnetization 270
Devitrified glasses 328
Discontinuous thin films 170
Disorder 301

Effective field theory 357
Electric resistivity 283
Electrical properties 319
Electron microscopy 184
Electron spin resonance 215, 270
Electronic structure 209
Epitaxy 151
Exchange field 136

Ferrites 249, 283
Ferromagnetic resonance 161, 199
Ferromagnets 110
Field-induced magnetic transition 307
Fine particles 261

Germanides 221
Giant magnetoresistance 7
GMR 136
Granular alloys 7, 275

Hematite 234
Hexaferrites 261
Hexagonal ferrites 319
Hybridization 255

Impedance spectroscopy 170
Interface effects 161
Ion implantation 161, 177
Irreversible susceptibility 121

L10 intermetallic compound 1
Localized moments 79
Longitudinal recording 1
Low-temperature sintering 283

Magnetic aftereffect 290
Magnetic force microscopy L131
Magnetic interactions 234
Magnetic ion concentration 323
Magnetic materials 249
Magnetic measurements 221
Magnetic moments 209
Magnetic ordering 14
Magnetic phase transition 105
Magnetic properties 151, 261, 357
Magnetic resonance 328
Magnetic structures 221
Magnetic susceptibility 255
Magnetic transition 215
Magnetic viscosity 121
Magnetization 275, 323
Magnetization curve 307
Magnetization reversal 121
Magneto-optical measurements 143
Magneto-optics 151
Magnetoelasticity 311
Magnetoresistance 184, 275
Magnetostriction 241, 311
Magnetotransport 27
Manganese compounds 221
Manganites 184
Mechanical alloying 249
Metamagnetism 27, 53
Metastable solid solution 177
Mobility 319
Modulation broadening 121
Molecular magnets 14
Morin transition 105
Morphology 328
Mössbauer spectra 301
Mössbauer spectroscopy 234, 249
Multilayers 136, 161
Muon spin relaxation 79, 105
Muon spin rotation 79

Nanocrystalline materials 301
Nanoparticles 234, 328
Nanostructures 241
Neutron diffraction 184, 221

Paramagnetism 323
Permeability 283

QMOKE 143
Quadratic magneto-optical effect 143

Rare earth compounds 215, 307
Rare earth ternary compounds 209, 221
Rotational transverse magnetization 1

Second-order magneto-optical effect 143
Silicides 221
Soft magnetic materials 283, 290
Solid solution 215
Specific heat 105
Spin dynamics 343
Spin valve 136
Spin-glass 177

0304-8853/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0304-8853(99)00577-6

Superparamagnetic particles 275
Superparamagnetism 7, 177, 328
Susceptibility 215, 290
Synthesis 221

Textured microstructures 311
Thermal annealing 161
Thermo electric power 319
Thin films 1, 151
Torque measurements 143
Transport properties 241
Tunnel magnetoresistance 170

Ultrafine particles 249
Ultrathin film 143

Valence fluctuations 255
Voigt effect 143

Weak antiferromagnetism 270
Weak ferromagnetism 105
Weak superconductivity 270

X-ray scattering 241
XPS 209

Ytterbium deuterides 255

Zero-field NMR 241